

Listing and Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 1. (currently amended) A process for automatically adjusting ~~a time~~
2 ~~period of a~~ time slot duration of a time slot in a communication channel,
3 comprising the steps of:
4 determining whether data are being transmitted in a the time slot in said
5 communication channel;
6 adjusting said time slot duration to a first time period if said data are not
7 being transmitted in said time slot; and
8 if said data are being transmitted in said time slot, determining whether
9 said data is of a particular packet type, and adjusting said time slot duration in
10 response to the data type determination to a second time period if said data
11 are being transmitted in said time slot.

1 2. (currently amended) The process of claim 3 4, wherein said second
2 time period is greater than said first time period.

1 3. (currently amended) The process of claim 1, wherein if the
2 determined packet type is not of the particular packet type, the second
3 adjusting step adjusts said time slot duration to a second time period further
4 comprising the step of determining whether the data being transmitted
5 comprises a particular packet type.

1 4. (currently amended) A process for automatically adjusting ~~a time~~
2 ~~period of a~~ time slot duration of a time slot in a communication channel,
3 comprising the steps of:

4 determining whether data are being transmitted in a the time slot in said
5 communication channel;

6 determining whether the data being transmitted comprises a particular
7 packet type;

8 adjusting said time slot duration to a first time period if the data are not
9 being transmitted in said time slot;

10 adjusting said time slot duration to a second time period if the data are
11 being transmitted in said time slot; and

12 adjusting said time slot duration to a third time period, if said data
13 comprises a particular packet type.

1 5. (previously presented) The process of claim 4, wherein said second
2 time period is greater than said first time period.

1 6. (previously presented) The process of claim 5, wherein said third time
2 period is greater than said first time period.

1 7. (currently amended) A process of automatically adjusting ~~a time~~
2 ~~period of a~~ time slot duration of a time slot in a data channel, comprising the
3 steps of:

4 determining content of a the time slot in said data channel; and

5 if the content includes a packet, determining whether the packet is of a
6 particular packet type, and adjusting the time slot duration of the time slot in
7 response to the packet type determination ~~the content of the time slot.~~

1 8. (currently amended) The process of claim 7, wherein if the packet
2 type content is not of a the particular caller-ID packet type, the adjusting step
3 increases said time slot duration of said time slot to a predefined duration.

1 9. (currently amended) The process of claim 7, wherein if the he packet
2 type content is of a the particular caller-ID packet type, the adjusting step
3 increases said time slot duration of said time slot according to the number of
4 packets in the content with the particular packet type.

1 10. (previously presented) The process of claim 7, wherein if the content
2 does not include any data, the adjusting step decreases said time slot duration
3 of said time slot.

1 11. (currently amended) A system for communicating data among
2 different units, comprising:

3 a data channel having a plurality of time slots for transmitting and
4 receiving data;

5 each unit comprising a microprocessor coupled to said data channel for
6 monitoring and processing data; and

7 said microprocessor adjusting a time slot duration of one of said time
8 slots depending on content of the time slot, wherein

9 if the content includes data, said microprocessor determines whether the data
10 is of a particular data type and adjusts the time slot duration of said one of said
11 time slots in response to the data type determination.

1 12. (currently amended) The system of claim 11, wherein said
2 microprocessor adjusts the time slot duration to a first time period if the content
3 does not include any data-are not transmitted, and adjusts the time slot
4 duration to a second time period if the content includes said data but the data
5 type is not of the particular data type are being transmitted.

1 13. (previously presented) The system of claim 12, wherein said second
2 time period is greater than said first time period.

1 14. (currently amended) The system of claim 12, wherein if the content
2 includes said data and the data type of the particular data type, said
3 microprocessor adjusts the time slot duration is a third time period further
4 ~~determining whether the data being transmitted comprise a particular packet~~
5 ~~type~~.

1 15. (previously presented) A system for communicating data among
2 different units, comprising:
3 a data channel having a plurality of time slots for transmitting and
4 receiving data;
5 each unit comprising a microprocessor coupled to said data channel for
6 monitoring and processing data;
7 said microprocessor adjusting a time slot duration of one of said time
8 slots depending on content of the time slot;
9 wherein said microprocessor adjusts the time slot duration to a first time
10 period if the data are not transmitted, and adjusts the time slot duration to a
11 second time period if data are being transmitted;

12 wherein said microprocessor further determines whether the data being
13 transmitted comprise a particular packet type; and

14 wherein said microprocessor adjusts said time slot duration to a third time
15 period, if the data comprise said particular packet type.

1 16. (previously presented) The system of claim 15, wherein said second
2 time period is greater than said first time period.

1 17. (previously presented) The system of claim 16, wherein said third
2 time period is greater than said first time period.